



PATENT
Attorney Docket No. SYP-116

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): **Fuchs et al.**
SERIAL NO.: **08/726,093** GROUP NO.: **1634**
FILING DATE: **Oct. 4, 1996** EXAMINER: **Marschel, A**
TITLE: **Methods and Kits for Hybridization Analysis Using Peptide Nucleic Acid Probes**

Assistant Commissioner for Patents
Washington, D.C. 20231

AMENDMENT AND REPLY

Sir:

In response to an Office Action mailed from the Patent and Trademark Office on April 30, 1999, in the above-referenced application, kindly amend the specification and the claims as follows.

In the Specification:

At page 25, line 2, delete the fourth *t* in "thermostatted" so as to read "thermostated".

At page 31, lines 9 and 28, add a --d-- to the end of the word "describe" so as to read "described"; at line 10, delete "Example 4, subsection 3" and insert therefor --Example 5, Experiment 3--; and at line 12, delete "is" and insert therefor --was--.

At page 33, line 26, delete "were" and insert therfor --was--.

In the Claims:

Cancel without prejudice claim 53.

Amend claims 32, 34-37, 46, 54, 55 and 58, and add new claims 68-74 as follows.

32. (Amended) A method for detecting a [selected] target sequence in a polynucleotide, said method comprising the steps of:

09/02/1999 RTSEGAYE 00000014 06726093
108.00 DP
312.00 DP
03 FC:103
04 FC:102